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(54) KIT FOR RAPIDLY COUNTING GRANULOCYTE AND METHOD USING THE KIT

(57)Abstract:

PURPOSE: To improve the speed and reliability of a diagnosing test by using a kit having a granulocyte diluent containing labeled specific antibody, a labeling agent, magnetic particles coupled with the same specific antibody and a measuring rod having magnetized end, and counting the granulocyte from the sample of whole blood.

CONSTITUTION: Human whole blood or biological liquid is mixed with a predetermined amount of granulocyte diluent and labeling agent containing a labeled specific antibody. The obtained sample is transferred to a container containing magnetic particles coupled with the same specific antibody, and they are shaken. The rod magnetized at the end and reference rod (the end part is coated with specific antigen) are placed in the container to react for one to five minutes. The measuring rod and reference rod are removed from the container, dipped in water for 1 to 10 sec, and cleaned. The number of the granulocyte bonded to the measuring rod is counted according to the method for labeled with a specific antigen such as, for example, radioactivity, and measured. The state of the specimen is diagnosed from the measured number of the granulocyte.